

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1 **1.-106. (Canceled)**

1 **107. (Currently Amended)** A method for modifying the fucosylation pattern of a
2 recombinant glycopeptide comprising an acceptor moiety ~~for a recombinant eukaryotic FucT-VI~~
3 ~~or FucT-VII fucosyltransferase~~, said method comprising:

4 contacting a full-length recombinant glycopeptide with a reaction mixture that comprises
5 a fucose donor moiety and a ~~recombinant eukaryotic FucT-VI or FucT-VII~~
6 fucosyltransferase under appropriate conditions *in vitro* to transfer fucose from
7 the fucose donor moiety to the acceptor moiety, such that the glycopeptide has a
8 substantially uniform fucosylation pattern;

9 wherein said acceptor moiety is Gal β 1,4GlcNAc-OR or NeuAc α 2,3Gal β 1,4GlcNAc-OR,
10 wherein R is an amino acid, a saccharide, an oligosaccharide or an aglycon group
11 having at least one carbon atom and is linked to or is part of a glycopeptide, and

12 wherein said eukaryotic fucosyltransferase is a recombinantly produced FucT-VI
13 corresponding to SEQ ID NO:1 or FucT-VII fucosyltransferase
14 corresponding to SEQ ID NO:2, and wherein said eukaryotic
15 fucosyltransferase lacks a membrane anchoring domain.

1 **108. (Currently Amended)** The method of claim 107, wherein the concentration of
2 said recombinant eukaryotic FucT-VI or FucT-VII fucosyltransferase is at least 1 Unit/ml.

3
4 ~~wherein sialyltransferase glycoprotein acceptor~~
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